

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L8	15	("20020170877"   "20020197757"   "20030196760"   "20040159343"   "20040211516"   "20050039853"   "20050269031"   "5075530"   "5149967"   "5895549"   "6245189"   "6709522"   "6808592"   "6841033"   "6852169").PN. OR ("7455735").URPN.	US-PGRUB; USPAT; USOCR	OR	ON	2009/11/04 14:36
L9	1	"06003928"	JPO; DERWENT	OR	ON	2009/11/04 14:40
L10	1	"06003928"	EPO; JPO; DERWENT	OR	ON	2009/11/04 14:40
L11	1	"06003928"	EPO; JPO; DERWENT	OR	ON	2009/11/04 14:41
L12	1	"6003928"	EPO; JPO; DERWENT	OR	ON	2009/11/04 14:41
L13	9	"63928"	EPO; JPO; DERWENT	OR	ON	2009/11/04 14:41
L14	39	"063928"	EPO; JPO; DERWENT	OR	ON	2009/11/04 14:44
L15	1	"06300928"	EPO; JPO; DERWENT	OR	ON	2009/11/04 14:47
L16	1	"06003928"	EPO; JPO; DERWENT	OR	ON	2009/11/04 14:47
L17	1	"06030928"	EPO; JPO; DERWENT	OR	ON	2009/11/04 14:47
L18	1	"06003928"	EPO; JPO; DERWENT	OR	ON	2009/11/04 14:54
L19	77	(substrate) and (guid\$4) and (adjust\$7 chang\$7 customiz\$5 custom\$4) and (spac\$4 interval distance) and (hole orifice)	EPO; JPO; DERWENT	OR	ON	2009/11/04 15:52
L20	7	(substrate) and (guid\$4) and (adjust\$7 chang\$7 customiz\$5 custom\$4) and (spac\$4 interval distance) and (hole orifice) and (width wide dimension)	EPO; JPO; DERWENT	OR	ON	2009/11/04 15:52
L21	2	(plasma) and (guid\$4) and (adjust\$7 chang\$7 customiz\$5 custom\$4) and (spac\$4 interval distance) and (hole orifice) and (width wide dimension)	EPO; JPO; DERWENT	OR	ON	2009/11/04 15:54
L22	507	(guid\$4) and (adjust\$7 chang\$7 customiz\$5 custom\$4) and (spac\$4 interval distance) and (hole orifice) and (width wide dimension)	EPO; JPO; DERWENT	OR	ON	2009/11/04 15:54
L23	586	(guid\$4) and (adjust\$7 chang\$7 customiz\$5 custom\$4) and (spac\$4 interval distance) and (hole orifice recess) and (width wide dimension)	EPO; JPO; DERWENT	OR	ON	2009/11/04 15:54
L24	667	(guid\$4) and (adjust\$7 chang\$7 customiz\$5 custom\$4) and (spac\$4 interval distance) and (hole orifice recess) and (width wide dimension siz	EPO; JPO; DERWENT	OR	ON	2009/11/04 15:55

L25	1005	(guid\$4) and (adjust\$7 chang\$7 customiz\$5 custom\$4) and (spac\$4 interval distance) and (hole orifice recess) and (width wide dimension siz\$3)	EPO; JPO; DERWENT	OR	ON	2009/11/04 15:55
L26	38301	c23c016\$.ipc. c23f001\$.ipc. ho11021\$.ipc.	EPO; JPO; DERWENT	OR	ON	2009/11/04 15:56
L27	1	25 and 26	EPO; JPO; DERWENT	OR	ON	2009/11/04 15:56
L28	1663	(guid\$4 convey\$4 transport\$4 carry\$4) and (adjust\$7 chang\$7 customiz\$5 custom\$4) and (spac\$4 interval distance) and (hole orifice recess) and (width wide dimension siz\$3)	EPO; JPO; DERWENT	OR	ON	2009/11/04 15:57
L29	3	28 and 26	EPO; JPO; DERWENT	OR	ON	2009/11/04 15:57
L30	8130	(adjust\$7 chang\$7 customiz\$5 custom\$4) and (spac\$4 interval distance) and (hole orifice recess) and (width wide dimension siz\$3)	EPO; JPO; DERWENT	OR	ON	2009/11/04 15:58
L31	8	30 and 26	EPO; JPO; DERWENT	OR	ON	2009/11/04 15:58
L32	24476	"414"/\$.ccls. (adjust\$7 chang\$7 customiz\$5 custom\$4) and (spac\$4 interval distance) and (hole orifice recess) and (width wide dimension siz\$3)	EPO; JPO; DERWENT	OR	ON	2009/11/04 16:01
L33	11	"414"/\$.ccls. and (adjust\$7 chang\$7 customiz\$5 custom\$4) and (spac\$4 interval distance) and (hole orifice recess) and (width wide dimension siz\$3)	EPO; JPO; DERWENT	OR	ON	2009/11/04 16:01
L34	374	"414"/\$.ccls. and ((adjust\$7 chang\$7 customiz\$5 custom\$4) same (spac\$4 interval distance) same (hole orifice recess) same (width wide dimension siz\$3))	US-PGRUB; USPAT	OR	ON	2009/11/04 16:17
L35	27	("2847109"   "2883074"   "2928559"   "2949179"   "3027020"   "3142389"   "3346128"   "3420385"   "3442401").PN. OR ("3570685").URFN.	US-PGRUB; USPAT; USOCR	OR	ON	2009/11/04 16:26
L36	2	11/335,589	US-PGRUB; USPAT; USOCR	OR	ON	2009/11/04 17:19
L37	1	11/665,589	US-PGRUB; USPAT; USOCR	OR	ON	2009/11/04 17:19
L38	0	11/665,589 and (plasma etch\$4)	US-PGRUB; USPAT; USOCR	OR	ON	2009/11/04 17:20
L39	1	11/665,589 and (plasma etch\$4 electrode clean \$3 gas vapor sputter\$4 "pvd" strip\$4 ash\$3)	US-PGRUB; USPAT; USOCR	OR	ON	2009/11/04 17:20
L40	12	("1558389"   "1715611"   "9951271"   "4370086"   "4392775").PN. OR ("4588185").URFN.	US-PGRUB; USPAT; USOCR	OR	ON	2009/11/04 17:46
L41	16	("3731823"   "3734567"   "4355940"   "4618295"   "4630975"   "5037245"   "5584614"   "6183186"   "6241427"   "6676365"   "6808358"   "6907755").PN. OR ("7108474").URFN.	US-PGRUB; USPAT; USOCR	OR	ON	2009/11/04 19:45
L42	4	korenaga-tetsuo.in. nagadome-ryuji.in.	US-PGRUB; USPAT	OR	ON	2009/11/04 20:42
S7	1	10/593,385	US-PGRUB; USPAT	OR	ON	2009/10/27 18:36
S8	2	"2001358122"	US-PGRUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/10/27 18:45

S9	13	"5823416"	US-PGRUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/10/28 11:22
S10	3	((("5823416") or ("6093904") or ("5443689") or ("5823416")).PN.	US-PGRUB; USPAT	OR	OFF	2009/10/28 11:22
S11	4	("4227983"   "4693211"   "5773088"   "5879519").PN.	US-PGRUB; USPAT	OR	ON	2009/10/28 11:30
S12	246	matsushita.as. and plasma and substrate and electrostatic\$4	US-PGRUB; USPAT	OR	ON	2009/10/28 11:32
S13	4	matsushita.as. and plasma and substrate and electrostatic\$4 and attitude	US-PGRUB; USPAT	OR	ON	2009/10/28 11:33
S14	0	matsushita.as. and awai and furukawa	US-PGRUB; USPAT	OR	ON	2009/10/28 11:33
S15	1	matsushita.as. and iwai and furukawa	US-PGRUB; USPAT	OR	ON	2009/10/28 11:33
S16	6	("5823416"   "5951772"   "5972163"   "6093904"   "6239036"   "6313583").PN. OR ("6551444").URFN.	US-PGRUB; USPAT; USOCR	OR	ON	2009/10/28 11:34
S17	966	118/719.ccls. and plasma	US-PGRUB; USPAT; USOCR	OR	ON	2009/10/28 11:53
S18	101	118/719.ccls. and plasma and bueker	US-PGRUB; USPAT; USOCR	OR	ON	2009/10/28 11:53
S19	10	(156/345.31-345.32).ccls. and plasma and bueker	US-PGRUB; USPAT; USOCR	OR	ON	2009/10/29 11:05
S20	37	(156/345.31-345.32,118/719,118/718).ccls. and plasma and moore and karla	US-PGRUB; USPAT; USOCR	OR	ON	2009/10/29 11:06
S21	10	(156/345.31-345.32,118/719,118/718).ccls. and plasma and nordson	US-PGRUB; USPAT; USOCR	OR	ON	2009/10/29 11:08
S22	64	("3294670"   "3641973"   "4208159"   "4252595"   "4278528"   "4318767"   "4336438"   "4405435"   "4418639"   "4483651"   "4550239"   "4550242"   "4575299"   "4584045"   "4637853"   "4705444"   "4770121"   "4816116"   "4816638"   "4840702"   "4889609"   "5030056"   "5044871"   "5079031"   "5086729"   "5110249"   "5116640"   "5147067"   "5216223"   "5259942"   "5286296"   "5288684"   "5292393"   "5302077"   "5303671"   "5310410"   "5314298"   "5345056"   "5387265"   "5433371"   "5480052"   "5492265"   "5515986"   "5518599"   "5542559"   "5573597"   "5576629"   "5587205"   "5609290"   "5634765"   "5647942"   "5707485"   "5767008"   "5779807"   "5823416"   "5958510"   "5972163"   "6093904"   "6217272"   "6331347"   "6609877"   "6682288").PN. OR ("6841033").URFN.	US-PGRUB; USPAT; USOCR	OR	ON	2009/10/29 11:08
S23	9	("4895244"   "5495661").PN. OR ("5634765").URFN.	US-PGRUB; USPAT; USOCR	OR	ON	2009/10/29 11:38
S24	1	10/593,385 and holding	US-PGRUB; USPAT	OR	ON	2009/10/29 12:45
S25	2	"7455735"	US-PGRUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/10/29 14:18

S26	29	("20020197757"   "20020170877"   "20030196760"   "20040159343"   "20040211516"   "20050039853"   "20050269031"   "5075530"   "5149967"   "5895549"   "5075530"   "6245189"   "6709522"   "6808592"   "6841033"   "6852169").PN.	US-PGRUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/10/29 14:20
S27	15	("20020197757"   "20020170877"   "20030196760"   "20040159343"   "20040211516"   "20050039853"   "20050269031"   "5075530"   "5149967"   "5895549"   "5075530"   "6245189"   "6709522"   "6808592"   "6841033"   "6852169").PN.	US-PGRUB; USPAT	OR	ON	2009/10/29 14:20
S28	1	(156/345.31-345.32,118/719,118/718).ccls. and plasma and ((adjust\$4 custom\$4 customiz\$4 chang\$4) with (spac\$4 interval\$4 distance) with (hole orifice))	US-PGRUB; USPAT; USOCR	OR	ON	2009/10/29 14:30
S29	1	(156/345.31-345.32,118/719,118/718).ccls. and plasma and ((adjust\$4 custom\$4 customiz\$4 chang\$4) with (spac\$4 interval\$4 distance) with (hole orifice))	US-PGRUB; USPAT; USOCR	OR	ON	2009/10/29 14:30
S30	1	(156/345.31-345.32,118/719,118/718).ccls. and ((adjust\$4 custom\$4 customiz\$4 chang\$4) with (spac\$4 interval\$4 distance) with (hole orifice))	US-PGRUB; USPAT; USOCR	OR	ON	2009/10/29 14:31
S31	0	(156/345.31-345.32,118/719,118/718,404/298. \$).ccls. and ((adjust\$4 custom\$4 customiz\$4 chang\$4) with (spac\$4 interval\$4 distance) with (hole orifice))	US-PGRUB; USPAT; USOCR	OR	ON	2009/10/29 14:31
S32	0	(156/345.31-345.32,118/719,118/718,204/298. \$).ccls. and ((adjust\$4 custom\$4 customiz\$4 chang\$4) with (spac\$4 interval\$4 distance) with (hole orifice))	US-PGRUB; USPAT; USOCR	OR	ON	2009/10/29 14:31
S33	0	(156/345.31-345.32,118/719,118/718,204/298. \$).ccls. and ((adjust\$4 custom\$4 customiz\$4 chang\$4) with (spac\$4 interval\$4 distance) )	US-PGRUB; USPAT; USOCR	OR	ON	2009/10/29 14:34
S34	1311	(156/345.31-345.32.ccls. 118/718-719.ccls. 204/298.\$).ccls. and ((adjust\$4 custom\$4 customiz\$4 chang\$4) with (spac\$4 interval\$4 distance) )	US-PGRUB; USPAT; USOCR	OR	ON	2009/10/29 14:35
S35	31	(156/345.31-345.32.ccls. 118/718-719.ccls. 204/298.\$).ccls. and ((adjust\$4 custom\$4 customiz\$4 chang\$4) with (spac\$4 interval\$4 distance) with (hole orifice) )	US-PGRUB; USPAT; USOCR	OR	ON	2009/10/29 14:35
S36	29	(US-20080251208-\$ or US-20050039853-\$ or US-20070068455-\$ or US-20030196760-\$ or US- 20040211516-\$ or US-20070175588-\$).did. or (US-4693211-\$ or US-6551444-\$ or US- 4681773-\$ or US-6808592-\$ or US-6841033-\$ or US-7201823-\$ or US-4278528-\$ or US- 4405435-\$ or US-4483651-\$ or US-5302077-\$ or US-5634765-\$ or US-4895244-\$ or US- 5495661-\$ or US-6972071-\$ or US-5823416-\$ or US-6217272-\$ or US-6682288-\$ or US- 7455735-\$ or US-5149967-\$ or US-6245189-\$). did. or (JP-2001358122-\$).did. or (JP- 2001358122-\$ or US-20070068455-\$).did.	US-PGRUB; USPAT; JPO; DERWENT	OR	ON	2009/10/29 14:42
S37	1	(S36) and ((adjust\$4 custom\$4 customiz\$4 chang\$4) with (spac\$4 interval\$4 distance) with (hole orifice) )	US-PGRUB; USPAT; USOCR	OR	ON	2009/10/29 14:42
S38	11	(S36) and ((adjust\$4 custom\$4 customiz\$4 chang\$4) with (spac\$4 interval\$4 distance) )	US-PGRUB; USPAT; USOCR	OR	ON	2009/10/29 14:42

S39	15	("20020170877"   "20020197757"   "20030196760"   "20040159343"   "20040211516"   "20050039853"   "20050269031"   "5075530"   "5149967"   "5895549"   "6245189"   "6709522"   "6808592"   "6841033"   "6852169").PN. CR ("7455735").URFN.	US-PGRUB; USPAT; USOCR	OR	ON	2009/10/29 14:49
S40	30	((US-20080251208-\$ or US-20050039853-\$ or US-20070068455-\$ or US-20030196760-\$ or US-20040211516-\$ or US-20070175588-\$ or US-20050269031-\$).did. or (US-4693211-\$ or US-6551444-\$ or US-4681773-\$ or US-6808592-\$ or US-6841033-\$ or US-7201823-\$ or US-4278528-\$ or US-4405435-\$ or US-4483651-\$ or US-5302077-\$ or US-5634765-\$ or US-4895244-\$ or US-5495661-\$ or US-6972071-\$ or US-5823416-\$ or US-6217272-\$ or US-6682288-\$ or US-7455735-\$ or US-5149967-\$ or US-6245189-\$).did. or (JP-2001358122-\$).did. or (JP-2001358122-\$ or US-20070068455-\$).did.	US-PGRUB; USPAT; JPO; DERWENT	OR	ON	2009/11/03 13:04
S41	12	S40 and ceramic	US-PGRUB; USPAT	OR	ON	2009/11/03 13:04
S42	5	"10223725"	EPO; JPO; DERWENT	OR	ON	2009/11/03 13:14
S43	1	("5972163").PN.	US-PGRUB; USPAT	OR	OFF	2009/11/03 13:15
S44	10	S40 and (quartz (aluminum with oxide) alumina "al2.sub.o.sub.3")	US-PGRUB; USPAT	OR	ON	2009/11/03 13:24
S45	0	118/719.cds. and ((electrode cathode anode) with (quartz (aluminum with oxide) alumina "al2.sub.o.sub.3") with abnormal with discharg\$4)	US-PGRUB; USPAT; USOCR	OR	ON	2009/11/03 13:27
S46	58	118/719.cds. and ((electrode cathode anode) with (quartz (aluminum with oxide) alumina "al2.sub.o.sub.3") )	US-PGRUB; USPAT; USOCR	OR	ON	2009/11/03 13:27
S47	6835	((electrode cathode anode) with (quartz ceramic (aluminum with oxide) alumina "al2.sub.o.sub.3") with (coat\$4 cover\$4))	EPO; JPO; DERWENT	OR	ON	2009/11/04 09:35
S48	440	((electrode cathode anode) with (quartz ceramic (aluminum with oxide) alumina "al2.sub.o.sub.3") with (coat\$4 cover\$4) with discharg\$4)	EPO; JPO; DERWENT	OR	ON	2009/11/04 09:36
S49	4	((electrode cathode anode) with (quartz ceramic (aluminum with oxide) alumina "al2.sub.o.sub.3") with (coat\$4 cover\$4) with discharg\$4 with abnormal\$4)	EPO; JPO; DERWENT	OR	ON	2009/11/04 09:36
S50	4	((electrode cathode anode) with (quartz ceramic (aluminum with oxide) alumina "al2.sub.o.sub.3") with (coat\$4 cover\$4) with discharg\$4 with abnormal\$4)	EPO; JPO; DERWENT	OR	ON	2009/11/04 12:18

## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L43	2	korenaga-tetsuo.in. nagadome-ryuji.in.	USPAT; UPAD	OR	ON	2009/11/04 20:44

11/ 4/ 09 8:44:59 PM

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